

MONTHLY BULLETIN
OF
THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. $33^{\circ} 54' 22''$ N.

LONG. E. FROM GREENWICH $35^{\circ} 28' 10''$

SEPTEMBER, 1944

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SEPTEMBER 1944

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:50	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	58.9	58.1	58.3	58.4	31.4	22.3	26.1	31.0	25.7	27.6
2	8.6	8.7	8.7	8.7	31.8	22.5	25.3	30.7	25.1	27.0
3	8.6	7.7	7.7	8.0	31.1	23.1	25.3	30.2	25.4	27.0
4	7.7	7.3	6.8	7.3	32.1	24.0	25.5	31.0	26.1	27.5
5	7.2	7.1	7.3	7.2	31.0	23.4	26.4	30.3	26.2	27.6
6	57.4	57.3	56.9	57.2	32.2	23.3	25.7	31.4	26.4	27.8
7	7.1	6.4	6.2	6.6	32.1	24.1	25.7	31.2	25.7	27.5
8	5.8	5.1	5.4	5.4	31.7	23.5	26.2	29.6	26.3	27.4
9	5.8	5.2	6.3	5.8	31.4	23.4	25.7	29.6	25.8	27.0
10	7.6	7.7	8.9	8.1	30.9	23.6	25.8	29.9	25.3	27.0
11	58.7	58.5	58.5	58.6	31.2	25.1	26.6	30.7	26.2	27.8
12	8.4	7.4	7.5	7.8	33.0	25.7	27.1	32.3	26.6	28.7
13	7.2	9.1	7.5	7.9	31.2	23.9	27.3	30.7	26.6	28.2
14	7.5	7.3	7.6	7.5	31.2	23.3	26.2	30.6	25.9	27.6
15	8.5	8.4	8.3	8.4	31.2	24.0	24.7	30.1	26.2	27.0
16	57.9	57.4	57.0	57.4	31.9	24.4	25.5	31.2	27.2	28.0
17	8.1	7.3	8.0	7.8	31.9	22.9	26.5	31.6	25.8	28.0
18	7.7	7.3	7.7	7.6	31.2	22.3	25.8	30.9	25.1	27.3
19	8.5	8.4	8.8	8.6	30.4	23.4	25.0	29.8	25.1	26.6
20	9.5	9.6	60.4	9.8	29.5	21.7	23.1	29.1	23.9	25.4
21	61.2	61.2	61.5	61.3	29.0	21.1	23.4	27.6	24.0	25.0
22	1.1	59.5	58.8	59.8	29.7	21.8	22.2	29.7	26.3	26.1
23	0.2	60.0	60.4	60.2	29.9	21.2	24.9	29.9	26.3	27.0
24	0.7	0.4	0.8	0.6	29.6	21.3	23.9	29.6	23.8	25.8
25	0.8	59.7	0.3	0.3	28.8	20.8	23.7	28.8	23.3	25.3
26	59.8	59.1	59.4	59.4	28.7	19.4	23.3	28.3	23.9	25.2
27	9.5	9.4	9.8	9.6	29.4	17.8	23.8	29.4	24.4	25.9
28	61.0	60.9	61.4	61.1	30.8	20.9	23.3	28.8	23.4	25.2
29	1.8	0.9	1.1	1.3	28.8	21.8	23.4	28.8	23.9	25.4
30	0.5	59.7	59.8	0.0	28.6	21.1	23.8	28.6	23.8	25.4
	58.77	58.40	58.57	58.59	30.69	22.57	25.04	30.04	25.32	26.81

Barometer, range for month 761.8 - 755.1 mm.

„ 62-yr. average for month 758.84 mm.

Thermometer, range for month 33°.0 C - 17°.8 C.

„ 62-yr. average for month 27°.17 C.

Rain, total for month 1.27 mm.

„ , 62-yr. average for month 6.60 mm

Total, from Sept. 1st. to end of month 1.27 mm.

62-yr. average, Sept. 1st. to end of month 6.60 mm.

* Beirut Summer time

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METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	15.8	17.7	17.1	16.9	62	52	70	61	11.8	311.0	
2	15.6	18.1	17.6	17.1	65	55	75	65	11.5	257.0	
3	16.8	17.8	17.5	17.4	70	56	72	66	11.3	134.0	
4	17.3	20.0	20.3	19.2	71	60	81	71	11.3	145.0	
5	19.6	20.5	20.3	20.1	77	60	80	72	11.2	217.0	
6	20.0	20.3	21.3	20.5	81	58	83	74	11.3	129.0	
7	18.8	20.9	21.5	20.4	76	61	87	75	10.8	134.0	
8	20.0	20.1	20.1	20.1	79	64	79	74	6.4	142.0	
9	18.9	20.3	20.6	19.9	76	65	83	75	7.8	169.0	
10	20.5	21.4	21.0	21.0	83	67	87	79	9.9	132.0	
11	17.4	20.9	21.1	19.8	66	66	84	72	10.0	253.0	
12	21.6	22.6	20.8	21.7	82	63	80	75	8.3	227.0	
13	20.5	21.0	19.7	20.4	77	64	76	72	7.9	154.0	
14	18.5	19.1	18.8	18.8	72	58	75	68	8.7	140.0	
15	17.1	18.2	19.2	18.2	74	58	76	69	8.7	492.0	
16	17.7	21.6	16.9	18.7	72	64	64	67	9.8	531.0	
17	18.1	18.5	17.6	18.1	70	54	71	65	9.7	266.0	
18	15.1	17.6	16.8	16.5	61	52	71	61	9.8	274.0	
19	14.0	17.7	16.6	16.1	59	57	71	62	8.2	531.0	
20	17.4	15.7	13.6	15.6	83	52	61	65	7.2	402.0	1.27
21	13.2	15.1	13.0	13.8	62	55	57	58	9.5	515.0	
22	13.0	21.6	17.7	17.4	65	69	69	68	9.7	660.0	
23	15.7	17.2	16.8	16.6	67	55	66	63	9.2	378.0	
24	15.9	19.8	16.5	17.4	72	63	75	70	9.0	201.0	
25	16.6	23.8	16.8	19.1	77	81	79	79	9.2	298.0	
26	18.0	24.5	16.5	19.7	84	86	74	81	8.5	105.0	
27	17.3	20.2	17.0	18.2	78	65	76	73	8.8	121.0	
28	15.4	16.6	17.0	16.3	72	57	79	69	9.1	183.0	
29	14.6	17.2	17.4	16.4	68	58	79	68	9.3	121.0	
30	15.7	17.7	16.6	16.7	71	60	75	69	9.2	114.0	
	17.20	19.45	18.12	18.27	72.4	61.1	75.1	69.5	9.77	257.86	0.04

Height of Barometer above sea level: 33.7 meters.

" " Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of readings minus 3 hours equals G. C. T.

62 year averages are for period, 1875-1936

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	1cu	0	0.3	1s	2sw	0	calm	
2	0	0	0	0.0	1sw	2sw	0	light	
3	5cu	0	0	1.7	0	1ne	0	"	
4	0	0	0	0.0	0	2ne	0	calm	
5	1cu	0	0	0.3	1sw	1nw	0	"	
6	1cu	0	0	0.3	0	1sw	0	calm	
7	0	1cu	0	0.3	1sw	2sw	0	"	
8	1cu	9cu	7cu	5.7	0	1nw	0	"	
9	8cu	10cu	0	6.0	1sw	1sw	0	"	
10	3cu	0	0	1.0	0	1w	0	"	
11	0	0	0	0.0	1sw	1nw	0	calm	
12	5cu	2cu	0	2.3	1sw	1nw	0	"	
13	5cu	4cu	10cu	6.3	1ne	1ne	0	"	
14	3cu	5cu	10cu	6.0	0	2sw	0	"	
15	0	0	0	0.0	1se	1ne	2ne	light	
16	0	0	0	0.0	1ne	2ne	3ne	slight	
17	1cu	0	0	0.3	1ne	1ne	1ne	light	
18	1cu	1cu	1cu	1.0	1sw	2sw	0	"	
19	2cu	5cu	8cu	5.0	1sw	2sw	0	slight	
20	8cu-ni	2cu	5cu-ni	5.0	1sw	2sw	2sw	"	Tr. of rain at 10.a.m.
21	1cu	0	0	0.3	0	2nw	3nw	slight	
22	0	0	0	0.0	1s	1s	5s	"	
23	0	0	0	0.0	0	1s	2s	"	
24	0	0	0	0.0	1e	1e	1e	calm	
25	0	0	0	0.0	1se	1se	1se	"	
26	0	0	0	0.0	0	1se	1se	calm	
27	3ci	0	0	1.0	1s	1s	1s	"	
28	0	0	0	0.0	0	1nw	0	light	
29	1cu	0	3cu	1.3	1ne	1nw	0	"	
30	1cu	1cu	2cu	1.3	0	1w	1w	calm	
				1.51					

* Abbreviations :— G = gale; H = haze; M = mist; T = thunderstorm; D = dew.
W = strong wind.

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	4	1	2	3	9	0	0	11	30
14:30	0	6	1	2	3	9	2	7	0	30
20:30	0	3	1	2	3	1	1	1	18	30
Totals	0	13	3	6	9	19	3	8	29	90

Number of days with rain 1, fog 0, thunderstorms 0, gale 0.

62 yr. av. days with rain during month 1.2 days